

MIRONOV, N.N.

Thermogravimetric studies of some basic sulfates of aluminum,
gallium, iron, copper, zirconium. Trudy po khim. i khim. tek.
no. 1:28-31 '64. (MIRA 18:12)

1. Submitted June 5, 1963.

VOSKRESENSKIY, B.V.; MIRONOV, N.P.; SHEVCHENKO, V.P., mekhanik

Production of high-quality engineering lime. Stroi. mat. 5 no.4:22-24
Ap '59. (MIRA 12:6)

1. Glavnyy inzhener Chelyabinskogo zavoda ferrosplavov (for Voskresenskiy).
2. Nachal'nik tsekha Chelyabinskogo zavoda ferrosplavov (for Mironov).
(Chelyabinsk--Lime)

1. The first of the two main points of the report is that the

the second of the two main points of the report is that the

(S)

MIRONOV, N.P.

Shaft furnace of the Chelyabinsk Electrometallurgical Plant. Me-
tallurg 9 no.2:16-18 F '64. (MIRA 17:3)

1. Nachal'nik tsekha izvesti Chelyabinsk go elektrometallurgicheskogo
kombinata.

MIROMOV, N.F.

"The Problem of the Feeding of Eagle-Owls
(Bubo bubo L) under Conditions of Semideserts,"
Priroda, No. 9, 1949.

1. MIRONOV, N. P.; PAVLOV, A. N.; PUSHNITSA, F. A.; SHIRANOVICH, P. I.
2. USSR (600)
4. Don Steppe - Suslik
7. Change of areal boundaries of the small suslik, [Citellus pygamaeus Pall] in the Don and Stavropol' Steppes. Zool. zhur. 31 no. 5, 1952
9. Monthly List of Russian Accessions, Library of Congress, _____ 1953. Unclassified.

KLIMCHENKO, I. Z.; AKOPUAN, M. M.; MIRONOV, N. P.; KONDRASHEV, V. P.; LOSHITSKIY, M. N.

Comparative rating of the reliability of various methods of calculating the suslik population. Trudy probl. i tem. sov. no. 5:29-38 '55.
(MIRA 8:12)

1. Rostovskiy protivochumnyy Institut
(Susliks)

COUNTRY : USSR.
 AGENCY : Zoological Parasitology, Acarids and Insects
 as Disease Vectors, Insects.
 JOURNAL : Zhurnal, No. 14, 1958, No. 5238.
 AUTHOR : Shiranovich, G. I.; Mironov, N. P.
 TITLE : Role of the State Scientific Research
 Institute of Inter-species Contact Connections in Rodents
 Through Fleas in Semidesert Conditions.
 JOURNAL : Tr. Rostovsk. n.-s. gos. n.-i. protivochum.
 In-ta, 1956, 10, 435-442.
 ABSTRACT : Character of the exchange by ectoparasites
 (fleas) was studied among animals in two
 different landscape-ecologic sections of the
 northwestern region of the Caspian Sea, de-
 pending upon seasonal and stationary factors.
 In the region of black earths, having a mo-
 notonous landscape and the largest number of
 small animals, a more intensive flea exchange
 in springtime is characteristic; the exchange

PAID:1/3

Institute.
 30

12/2/54

AUTHOR
INST.
TITLE

proceeds, in the water, at the expense of
the "Sulika" flock. In this manner, in the
colony among the "Sulika" on the black
earths, other "Sulika" may be included in a flock
only. In the hill delta region of the sea side,
which is characterized by a vast expanse of land-
scape, exchanged by the flock, by dominating
not only one but several rodents' sea side
through intensive seasonal regrouping of the
animals during high waters and high tide, is
distributed very widely, but does not proceed

1955
1955Y

NO. 100P. : 1955, No. 14, 1958, p. 60688.

1955
1955Y

1955, 1955Y

1955 : with the same intensity in different periods
of the year. Accordingly, the circulation of
the vector goes on, encompassing various po-
tent groups in all seasons.-- V. M. Bilenko

1955, 1955Y

NAUMOV, N. P.

10-58-1-27-10

"Scientific Conference on Medical Geography, Inst. 'Mikrob', Saratov, 25 Jan - 2 Feb 1957.

gical and Epidemiological State of Natural Nid of pestilence in the USSR and an Analysis of Applied Remedies", N.P. Naumov on the origin and evolution of natural centers of pestilence in Northwest Prikaspiye; N.P. Naumov and V.S. Petrov on regularities of the epizootological process in Central Asia; L.M. Osadchaya on characteristics of pestilence microbes occurring in Central Asian plains and mountains; B.K. Penyuk on "Basic Tasks in the Field of Tactics Organization and Methods applied in the Anti-Epidemic Fight with Rodents in Natural Centers of Pestilence"; T.N. Dunayeva on "The Modern Research Stage on the Epizootology of Tularemia in the USSR"; Chen Ven-kuy on the prophylaxis of natural **infection** centers in China; B. Rositskiy on research done in the field of natural center infection in Czechoslovakia; Yu. Parnas and Ya. Lakhmayerova on research in zoonosis.

1. Medical Geography—Conference 2. Epidemiology—Applications

Izv. Ak nauk SSSR, Ser Geogr., No. 2, 1958, p. 153-55 (author Kucheruk, V.V.)

Card 2/2

MIRONOV, N.P.

Presence in the past of natural foci of plague in the steppes of southern Europe. Zhur. mikrobiol. epid. i imm. 29 no.8:18-(MIRA 11:10) 23 Apr '58.

1. Iz Rostovskogo-na-Donu gosudarstvennogo nauchno-issledovatel'skogo protivochumnogo instituta.

(PLAGUE, history,

natural foci in steppes in So. Europe (Rus))

STRONG, N. P.: *Doc. 110. 1. (1955)*. -- *Doc. 110. 1. (1955)*. -- *Doc. 110. 1. (1955)*.
of plane in the northwest Caspian region. (Sostoyanov, 1955).
(Min Health USSR, State of the Int. of the USSR (1955).
Southwest of the USSR (Kirov'), 1955. (1955). (1955).

MIRONOV, U.P.; TINKER, I.S.; SHISHKIN, A.K.; SHIRANOVICH, P.I.;
VAL'KOV, B.G.; IVANOV, I.Kh.; KARPUZIDI, K.S.; KLIMCHENKO,
I.Z.; SHIRYAYEV, D.T.

Contemporary status of the plague focus in the northwestern
Caspian Sea region and problems in its further study. Sbor.
nauch. rab. Elist. protivochum. sta. no. 1:19-29 '59.

(CASPIAN SEA REGION—PLAGUE) (MIRA 13:10)

MIRONOV, N.P.; SHISHKIN, A.K.

"Lectures on the epidemiology of plague" by I.U.M. Ball'. Reviewed
by N.P. Mironov, A.K. Shishkin. Zhur.mikrobiol.epid. i immun. 30
no.7:137-139 J1 '59. (PLAGUE) (BALL, I.U.M.) (MIRA 12:11)

MIRONOV, N. P. (USSR)

"Methods of investigations of rodents in the problem of epizootological
rayonization of plague epidemics in the North-Western Caspian Region in Russia."

report submitted but not presented at the Intl. Symposium on Methods of
Therological Investigation. Brno, Czech.,

4 Sept 1960

MIRONOV, N.P.

Evolution and natural foci of brucellosis. Zhur.mikrobiol., epid.
i immun. 32 no.12:60-65 D '61. (MIPA 14:11)

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo protivocnurno-
nogo instituta.

(BRUCELLOSIS)

MIRONOV, N.P.; KLIMCHENKO, I.Z.; KOLESNIKOV, I.M.

"Rodents and their control," nos.5-6. Zool. zhur. 40 no. 2, 28-
300 F '61. (MIRA 14:2)

(Rodent control)

NIKOLAYEV, N.I., otv. red.; LENSKAYA, G.N., zam. otv. red.; PASTUKHOV, B.N., zam. otv. red.; FENYUK, B.K., zam. otv. red.; ISHUNINA, T.I., red.; AKIYEV, A.K., red.; D.MARADSKIY, I.V., red.; DRUZHEVKINA, M.S., red.; ZHOVTYY, I.F., red.; KOROBOVA, Ye.I., red.; KRAMINSKIY, V.A., red.; KRATINOV, A.G., red.; LEVI, M.I., red.; LOBANOV, V.N., red.; MIRCNOV, N.P., red.; PETROV, V.S., red.; PLANKINA, Z.A., red.; PYPINA, I.M., red.; SMIRNOV, S.M., red.; TER-VARTANOV, V.N., red.; TIFLOV, V.Ye., red.; FEDOROV, V.N., red.; PARNES, Ya.A., red.; PRONINA, N.D., tekhn. red.

[Especially dangerous natural focus infections] Osobo opasnye i prirodnoolagovye infektsii, sbornik nauchnykh rabot protivochumnykh uchrezhdenii. Moskva: Medgiz, 1962. 271 p.

(COMMUNICABLE DISEASES)

(MIRA 16:5)

MIRONOV, N.P.; NEL'ZINA, Ye.N.; KLIMCHENKO, I.Z.; REZINKO, D.S.; CHERNOVA, N.I.;
DANILOVA, G.M.; SAMARINA, G.P.; RODIONOVA, A.V.

Spatial distribution of fleas in the burrows of the lesser
suslik (*Citellus pygmaeus*) and efficient methods of estimating
their abundance. Zool. zhur. 42 no.3:384-394 '63.

(MIRA 17:1)

1. Rostov-on-Don Research Anti-Plague Institute, and Astrakhan
Anti-Plague Station.

LEVI, M.I.; ZININ, P.I.; SHTEL'MAN, A.I.; SHIRYAYEV, D.T.; MIRONOV, N.P.;
CHIKRIZOV, F.D.

Hereditary resistance to plague in *Meriones meridianus*. Bul.
eks. biol. i med. 56 no.7:75-79 J1'63 (MIRA 17:3)

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo protivochumnogo instituta i Astrakhanskoy protivochumnoy stantsii. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

MIRONOV, N.F., prof.; KARIUZILI, K.S.; KLIMENKO, I.Z.; KOLBACH, K.V.,
I.M.; LISITSYN, A.A.; MEL'ZINA, Ye.N.; SHIRANOVICH, I.I.;
SHIRYAYEV, D.T.; YAKOVLEV, M.G.; NIKOLAYEV, I.M., red.

[Sources and carriers of plague and tularemia] Istochniki i
perenoschiki chumy i tularemii. Moskva, Meditsina, 1965.
194 p.

IA 18:4)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut (for all except Nikolayev).

VASILEVSKIY, I.A.; MURPHY, N. .

Operation of a primary x-ray tube with a cathode ray gun. Vostochnyy
36 no.317-10 1965. MIRA 2,5

1. Vostochnyy inskript (for Vostochnyy . . . tel-
yabinskiy elektromagnitnyy kmitaniy (for M. . . .

MIRONET, R. P.

On 10/10/1986, the following information was received from the U.S. Navy:

1. No other information was received from the U.S. Navy regarding the above information.

PANASENKO, S.I., inzh.; SHCHERBINA, E.G., inzh.; AKSENOV, V.V., ~~kand.~~ tekhn.
nauk; D'YAKONOV, D.M., inzh.; MIRONOV, N.T., inzh.

Testing experimental sections of the support of the AKD unit.
Ugol'. prom. no.6:54-57 M-D '62. (MIRA 1642)

1. Toretskiy mashinostroitel'nyy zavod (for Panasenko, Shcherbina).
2. Institut gornogo dela im. Skochinskogo (for Aksenov, D'yakonov, Mironov).

(Mine timbering—Testing)

AKSENOV, V.V., kand. tekhn. nauk, nauchnyy rukovoditel'; D'YAKONOV,
D.N., inzh.; MIKHONOV, N.T., inzh.; YAKOVLEVA, L.A., red.;
GERASIMOV, V.F., tekhnolog

{Optimum parameters of a system of working steep seams with
stopping machinery and the efficiency of mechanized mining}
Optimal'nye parametry sistemy razrabotki krutykh plastov
ochistnymi agregatami i effektivnost' agregatnoi vyemki;
kratkii nauchnyi otchet Moskva, AN SSSR, 1963. 46 p.

(MIRA 16:10)

1. Akademiya nauk SSSR. Laboratoriya podzemnoy razrabotki
ugol'nykh mestorozhdeniy.

(Donets Basin--Coal mines and mining)

AKSENCV, V.V.; M. V, N.T.; PETROSYANTS, E.V.; CHERKASHENINOV, V.I.

Results of the mine testing of M52 powered supports as part of an
A2 stoping unit. fiz. mekh. svois., dav. i razr. gor. porod. no.2:
175-185 '83. (MIRA 17:1)

MLRONGV, N. V. (RIP.)

XVIII. "Equipment for Control of Manufacturing Processes," Automation of Manufacturing Processes in Instrument Manufacturing, Moscow, Machine, 1971, p. 10.

PEPOM: In order to improve the accuracy of the control of the manufacturing process, it is necessary to use automatic control systems in the manufacturing process, and for the identification of the manufacturing process.

MANCHENKO, I.V., inzh.; MIRONC7, N.V., inzh.

Powered drop hammer mounted on the S-80 tractor. Avt.dor. 22 no.3:
3 of cover Mr '59. (MIRA 12:4)
(Piling (Civil engineering))

ALFIMOV, N.N.; MIRONOV, O.G.

Influence of plankton diatoms of the river on some chemical
indices of water pollution. Bot.zhur. 43 no.12:1763-1765
D '58. (MIRA 11:12)

1. Voenno-meditsinskaya akademiya imeni S.M.Kirova, Leningrad.
(Fontanka Canal--Diatoms) (Water--Pollution)

MIRONOV, O.G. (Leningrad)

Hygienic evaluation of certain invertebrates from the Black Sea as food products. Vop.pit. 18 no.5:83-84 S-O '59. (MIRA 13:1)

1. Iz kafedry voyenno-morskoy gigiyeny (nach. - doktor med.nauk, prof. V.A. Yakovenko) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(INVERTEBRATES)

MIRONOV, O.G., starshiy leytenant meditsinskoy sluzhby

Experience in controlling the vitamin C content of sea rations.

Voen.-med. zhur. no.3:51-52 Mr '61.

(MIRA L:7)

(ASCORBIC ACID)

(SAILORS--NUTRITION)

MIRONOV, O.G.

Results of a hygienic analysis of marine bottom sediments near
seashores. Zdrav. Bel. 7 no.5:45-48 My '61. (MIRA 14:6)

1. Kafedra obshchey gigiyeny Grodnenskogo meditsinskogo instituta.
(FEODOSIYA—SOILS—ANALYSIS)

ALFIMOV, N.N., dotsent; MIRONOV, O.G.

Studies on bottom deposits in the evaluation of sanitary conditions
of aquatoria. Gig. i san. 26 no. 3: 91-92 Mr '61. (MIRA 14:7)

1. Iz kafedry voyenno-morskoy giviyeny Voenno-meditsinskoy ordena
Lenina akademii imeni S.M. Kirova.
(HARBORS--SANITATION)

MIRONOV, O.G.

Data on sanitary conditions of the aquatoria at the Feodosiya Health
Resort. Gig 1 san. 26 no.4:97 98 Ap '61. (MIRA 15:5)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(FEODOSIYA BATHING BEACHES)

MIRONOV, O.G. (Grodno)

Diatoms of the Black Sea coast near Feodosiya. Bot.zhur. 46 no.6:
892-896 Je '61. (MIRA 14:6)

(Feodosiya region—Diatoms)

MIRONOV, O.G.

Radioactivity of some higher algae in the region of Feodosiya. Dokl.
AN SSSR 138 no.3:686-687 My '61. (MIRA 14:5)

1. Presdstavleno akademikom A.L.Kursanovym.
(Feodosiya region—Algae) (Radioactive fallout)

GINTOVT, F.V.; MIRONOV, C.G.

Radioactivity of some organisms in the Neman River. Zool. zhur.
42 no.10:1574-1576 '63. (MIRA 10:12)

1. Higher Medical School of Grodno.

MIRONOV, O.G.

Radioactivity of some marine animals of Feodosiya Gulf. Zool.
zhur. 42 no.11:1722-1724 '63. (MIRA 17:2)

1. State Medical High School of Grodno.

MI4 NK 1

Significance of diatom plankton in the biochemical oxygen

consumption in seawater. Bot. zhurn. 49 no.9:1341-1342 1964.

MI5A 17.17

Ussibirskiy gosudarstvennyy meditsinskiy institut.

MINOR, O.G.

Compos. of the seawater solution by micro-organic analysis
in petroleum products. (Gidromet. zhurn. 1965, 1: 5-7)
165

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001134

APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001134

L 63946-65 EWT(m)/EWA(h) DM
ACCESSION NR: AP5022500

UR/0089/65/018/006/0659/0661

AUTHOR: Mironov, O. G.

TITLE: Contamination of vegetation by radioactive fallout

SOURCE: Atomnaya energiya, v. 18, no. 6, 1965, 659-661

TOPIC TAGS: radioactive fallout, radiation plant effect

ABSTRACT: Studies carried out in the Central European area of USSR during May, 1963 showed that 70% of the radioactivity in the examined vegetation was produced by fallout; the plant uptake was nearly 2% of all fallout radioisotope activity and 0.5% of the fallout sup 90 Sr. Orig. art. has 2 graphs and 2 tables.

ASSOCIATION: none

SUBMITTED: 15Jun64

NO REF SOV: 002

ENCL: 00

SUB CODE: NP, LS

OTHER: 001

NA

282
Card 1/1

MIRONOV, N. N. Kandidat nauk

Academy of Sciences of the USSR, Institute of Mathematics, Moscow, U.S.S.R. (1970-1975)
(MIRA 18.10)

% Gromovskiy med. ts. i biolog. institut.

ACC NR: AP7004766 (N)

SOURCE CODE: UR/0413/67/000/001/0081/0081

INVENTOR: Troyanovskaya, G. I.; Bereznikov, V. V.; Grib, V. V.; Alekseyev, N. M.; Mironov, O. G.

ORG: None

TITLE: A method for studying processes of sliding friction in a vacuum. Class 42, No. 190043

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1967, 81

TOPIC TAGS: friction, vacuum technique, surface property

ABSTRACT: This Author's Certificate introduces a method for studying processes of sliding friction in a vacuum. The procedure consists of placing two specimens in a vacuum chamber and moving them against one another under a load. In order to study friction processes between absolutely clean (juvenile) surfaces, the oxide film is sheared from the surfaces of the specimens before and during testing in the vacuum chamber.

SUB CODE: ~~20~~ 20/ SUBM DATE: 26Jun65

Card 1/1

UDC: 620.1.05:621.91.071+620.178.162.4:533.5

L 7026-65 EWT(d)/EWT(1)/EPA(s)-2/EWT(m)/EWP(w)/EPF(n)-2/EWP(v)/T-2/EWP(k)/EWP(b)
ACC NR: AP5026832 EWA(h)/ETC(m) SOURCE CODE: UR/0286/65/000/017/0118/0118
AUTHOR: Mironov, O. M. JD/WW/JG/EM

ORG: none

TITLE: An electromagnetic pump. Class 59, No. 174525

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 118

TOPIC TAGS: electroconductive fluid, electromagnetic pump

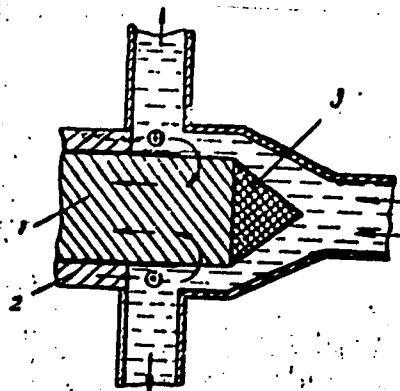
ABSTRACT: This Author's Certificate introduces an electromagnetic pump for pumping electrically conductive liquids, particularly at high temperatures. In order to simplify the design by eliminating the ferromagnetic core and devices for cooling it, and also to reduce electrical losses, the pump is made up of two coaxial electrical-conductive cylinders which are insulated in the zone of the liquid. The inside cylinder is equipped with a cone made of a non-conducting material with the vertex directed against the flow of the liquid. The poles of the internal and external conductors must have opposite signs.

UDC: 621.65-837

Card 1/2

I. 7026-66

ACC NR: AP5026832



SUB CODE: EE,IE/

SUBM DATE: 26Dec62/

ORIG REF: 000/

OTH REF: 000

OC
Card 2/2

L 23287-66

EWT(d)/EWT(1)/EWT(m)/ENP(w)/ENP(v)/T/ENP(k)/EWA(h)/ETC(m)-6 LID(c)

ACC NR: AP6011521 WW/EM/DJ SOURCE CODE: UR/0382/66/000/001/0132/0136

AUTHOR: Mironov, O. M.

ORG: none

TITLE: Electromagnetic pump based on the pinch effect

SOURCE: Magnitnaya gidrodinamika, no. 1, 1966, 132-136

TOPIC TAGS: electromagnetic pump, high pressure pump, pinch effect

ABSTRACT: The article deals with an electromagnetic pump (shown in Fig. 1) which does not utilize a ferromagnetic core but is based on the pinch effect. A series of expressions for pressure rise, current, and efficiency are derived as functions of the magnetic Reynolds number and outside-to-inside radius ratio of the pipe. From these expressions, pump parameters are determined, and the following conclusions are reached: 1) The efficiency increases with increased current. For instance, at $Q = 0.05 \text{ m}^3/\text{sec}$, efficiency is 5.6% at $I = 5 \times 10^4 \text{ amp}$ and 17.8% at $I = 2 \times 10^5 \text{ amp}$. 2) Current density lies within the range of $7 \times 10^6 - 20 \times 10^6 \text{ amp/m}^2$. 3) Voltage drop in the pump channel is equal to 0.15—0.3 v. 4) Magnetohydrodynamic losses are equal to 15—35% of the electromagnetic pressure. 5) The optimum outside-to-inside radius ratio is 1.5—3. 6) Pressures of up to $1.5 \times 10^5 \text{ n/m}^2$ can be obtained at

Card 1/3

UDC: 621.689:538.4

L 23287-66

ACC NR: AP6011521

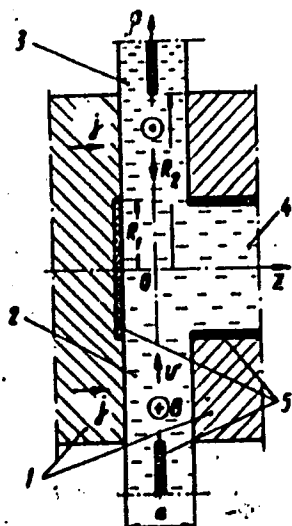


Fig. 1. Electromagnetic pump based on the pinch effect

1 - Current conductors; 2 - pipe; 3 - input nozzle; 4 - output nozzle; 5 - insulation.

maximum efficiency. At efficiencies less than maximum, pressure may reach 10^6 n/m^2 . A paper dealing with an experimental investigation of

Card 2/3

L 23287-66

ACC NR: AP6011521

the pump is being prepared for publication. Orig. art. has: 7 figures
and 5 formulas. [DW]

SUB CODE: 13 SUBM DATE: 19Apr65/ ORIG REF: 002/ OTH REF: 003/
ATD PRESS: 4230

Card

3/3

L 23902-66 EWT(1)/EWT(m)/EPF(n)-2/T/ETC(m)-6 WW/DJ

ACC NR: AP6009931

SOURCE CODE: UR/0413/66/000/004/0142/0142

AUTHOR: Bertinov, A. I.; Mironov, O. M.

ORG: none

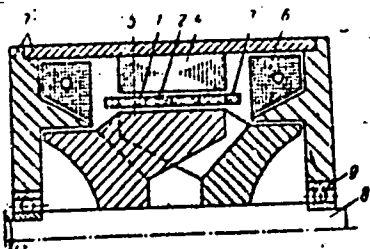
TITLE: An electromagnetic pump with a revolving rotor. Class 59, No. 179195

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 142

TOPIC TAGS: electromagnetic pump, liquid metal pump, ferromagnetic material, magnetic circuit

ABSTRACT: This Author's Certificate introduces an electromagnetic pump with a revolving rotor, stationary field coils supplied with direct current and a frame made from a

ferromagnetic material. The weight is reduced and an alternating magnetic flux is generated by making the rotor claw-shaped in the working air gap.



1--channel; 2--liquid metal; 3--current-closing bus bars; 4--magnetic circuit; 5--field coil; 6--claw-shaped rotor; 7--housing; 8--shaft; 9--bearing //

SUB CODE: 13/

SUBM DATE: 02Feb65/

ORIG REF: 000/

OTH REF: 000

Cond 1/1 BK

UDC: 621.689:538.3

L 54623-65 EWT(1)/EWP(m)/EPA(s)-2/EWT(m)/EPA(sp)-2/EPP(n)-2/ENG(v)/EPR/
EPA(w)-2/T-2/EWP(t)/EWP(b)/EWA(m)-2 Pd-1/Pab-10/Ps-5/Ps-4/Pt-7/V1-4/Pu-4 IJP(1)

JD/WW/JG

ACCESSION NR: AF5010474

UR/0294/65/003/002/0315/0317

AUTHOR: Kovner, D. S. (Moscow); Krasil'nikov, Ya. Yu. (Moscow);
Mironov, O. N. (Moscow)

63
B

TITLE: Experimental liquid-metal gallium loop for magnetohydrodynamic investigations

SOURCE: Toplofizika vysokikh temperatur, v. 3, no. 2, 1965, 315-317

TOPIC TAGS: magnetohydrodynamics, liquid metal loop, electromagnetic pump, flow meter, gallium loop

ABSTRACT: To eliminate various problems associated with the use of mercury² and alkali metals³ as working media in magnetohydrodynamic investigations (e.g., the high toxicity of mercury vapors, and the high temperature and danger of fire and explosion connected with the use of alkali metals) the Moscow Aviation Institute has developed an experimental unit with liquid-metal loop in which technically pure gallium is being used as a working substance. The unit (see Fig. 1 of the Enclosure) is designed for testing electromagnetic pumps and various types of electromagnetic flowmeters, and for conducting

Card 1/3

L 54623-65

ACCESSION NR: AP5010474

magnetohydrodynamic research. The gallium temperature in the loop is maintained at 450-70C. A special technique was developed for measuring the gallium flow rate in the loop. The unit operated continuously for 6 hr with a maximum metal flow rate of 0.8 m³/hr. The development of the unit constitutes the first step in a program of magnetohydrodynamic investigations. Orig. art. has: 1 figure. [AC]

ASSOCIATION: none

SUBMITTED: 058ap64

NO REF SOV: 002

ENCL: 01

OTHER: 000

SUB CODE: ME, EM

ATD PRESS: 3245

Card 2/3

1-54621-85

ACCESSION NR: AP5010474

ENCLOSURE: 01

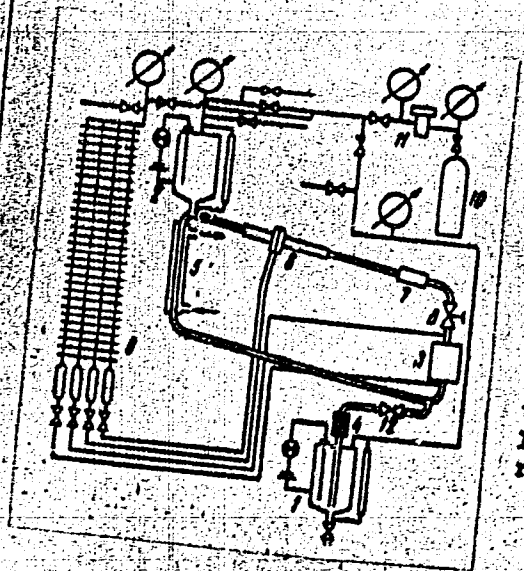


Fig. 1. Flow diagram of a liquid metal loop

- 1 - Lower drain tank; 2 - upper expansion tank; 3 - electromagnetic single phase AC pump; 4 - filter; 5 - cooler; 6 - venturi flow meter; 7 - electromagnetic flow meter; 8 - throttle; 9 - piezometric panel; 10 - argon bottle; 11 - pressure reducer; 12 - shutoff valve.

Card 3/3

ACC NR: AP7001414

(N)

SOURCE CODE: UR/0413/66/00-1/021/0125/0125

INVENTOR: Mironov, O. M.

ORG: none

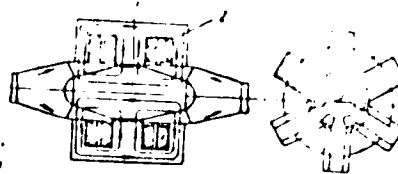
TITLE: Single phase induction electromagnetic flow meter. Class 42, No. 188050

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 125

TOPIC TAGS: magnetic effect, magnetic field, liquid metal, flow meter

ABSTRACT: This Author Certificate presents a single phase induction electromagnetic flow meter. The meter contains a tube filled with liquid metal, a magnetic circuit, excitation coils, and measuring coils (see Fig. 1).

Fig. 1. 1 - tube;
2 - magnetic circuit



To strengthen the output signal, the tube of the flow meter is made in the form of a ring and is surrounded by the general magnetic circuit for the magnetic excitation flux and the flux produced by the current in the liquid metal. Orig. art. has: 1 figure.

Card 1/1 SUB CODE: 14/ SUBM DATE: 21Jun65

UDC: 681.121:538.52

MIKONOV, O. S.

MIKONOV, O. S. --"Author's Abstract of Dissertation on the Subject 'Irregular Deformation in Flat Rolling and Internal Tensions in Rolled Strips,' Presented in Competition for the Academic Degree of Candidate in Technical Sciences." Min Higher Education USSR, Moscow Inst of Nonferrous Metals and Gold imeni M. I. Kalinin, Moscow, 1952 (Dissertation For the Degree of Candidate in Technical Sciences)

SO: Knizhnaya letopis' No. 36, 3 September 1955

34327

10.0200 (2408)

10.0200 (2408)

10.0200

10.0200 (2408)

10.0200

Measurement of real stresses in the process of stretching and bending at elevated temperatures

10.0200 (2408)

10.0200 (2408)

U. S. A.

Ministry of Defense
Institute of Defense Studies
P. O. Box 10000, Washington, D. C. 20310-0000

MIRONOV, O.S.

Dependence of the elasticity modulus of pure metals on their temperature.
Fiz. met. i metalloved. 19 no.6:941-942 Je '65. (MIRA 18,7)

012-62 EWP(m)/EWP(w)/EWP(t)/ETI IJP(c) FDR/JD/JG/DA
ACC NR AP6027798 SOURCE CODE: UR/0126/66/022/001/0100/0140

AUTHOR: Mironov, O. S.; Shmakov, A. D.; Batenina, O. L.; Novikova, K. Z.; Danielyan, T. A.; Tyukalov, Yu. M.

ORG: none

TITLE: Effect of oxides on the properties of molybdenum

SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 1, 1966, 136-140

TOPIC TAGS: molybdenum, oxide formation, brittleness, metal grain structure

ABSTRACT: Oxygen is a harmful impurity in molybdenum, inducing its embrittlement at low temperatures. However, the causes of this have not previously been elucidated. Norricott (Sb. Molibden, pod. red. A. K. Katansona, M., LL, 1959, str. 52) claims that oxygen is present in Mo in the form of the oxide MoO_2 , but it would be more correct to assume that the composition of the oxides is not unambiguous and should be expressed by the formula Mo_xO_y . To investigate the behavior of molybdenum oxides during heating and cooling, an oxide close in composition to that of MoO_2 was obtained following partial reduction of the polymorphic oxide MoO_3 . The obtained powder was pressed into 10x10 mm briquets and sintered in an argon

Card 1/3

UDC: 541.45+539.56+546.77

L 09019-67
ACC NR: AP6027798

atmosphere at 1000°C for 6 hr. After this, the oxide's coefficient β of linear expansion at high temperatures (up to 800°K) was measured with the aid of dilatometers, and its phase composition before and after sintering examined by x-ray structural analysis; the roentgenograms indicated that the composition of the investigated oxide corresponds to that of Mo_2O_3 . An analysis of the temperature dependence of β (coefficient of linear expansion) showed that at from 150 to 20°C the value of β for Mo_2O_3 sharply decreases. Any further decrease in temperature, however, leads to a sharp rise in β . Considering that a similar anomaly is observed for MoO_3 , it may be assumed that this effect is characteristic of molybdenum oxides in general. These findings also serve to elucidate the effect of oxygen on the properties of Mo with decrease in temperature. The mean β for Mo varies from $5.1 \cdot 10^{-6}$ at 0°C to $5.59 \cdot 10^{-6}$ at 500°C (Teplofizicheskiye svoystva veshchestv, spravochnik pod red. N. B. Vargaftika, M., Gosenergoizdat, 1956); the β for the oxide is somewhat lower. Moreover, at <100°C the β for the oxide sharply decreases. Then the volume of inclusions of molybdenum oxides decreases at a slower rate than the volume of the surrounding metal. If an oxide particle is present within a grain, the latter is subjected to internal compressive stresses which lead to an increase in hardness and decrease in plasticity. A more harmful effect is exerted by the oxide particles when they occur in between the grains. In this case tensile stresses leading to brittle intercrystalline fracture arise at the surfaces of contact between grains. Moreover, it is known that oxides

с. 1/3

1. 09019-67

ACC NR: AP6027798

in molybdenum are located chiefly along the grain boundaries. This probably is the reason why semifinished molybdenum products, with their high content of oxygen in recrystallized state, display a distinct tendency toward brittle intercrystalline fracture. Orig. art. has: 2 figures.

SUB CODE: 11/ SUBM DATE: 09Sep65/ ORIG REF: 002/ OTH REF: 002

Card 3/3 not

MIRONOV, P.

Story about a raid. Voen. znan. 40 no.8:30-31 Ag. 1944.

(MIRA 1944)

MIRONOV, P. 'Kurskaya oblast'

(On the land of their fathers' glory. Voen. znan. 41 no.2:34-35
P '65. (MIRA 12:3

MEMO TO: (Enclosure, 10/10/77)

10/10/77

MIRONOV, P. (Kursk)

We await you, comrade lecturer. Voen.znan. 41 no.11:30-31
N '65. (MIRA 18:14)

MIRONOV, P.; VAPTSAROV, A.

Current therapy of hypertension. Suvr. med. 14 no.4:13-20 '63.

(ANTIHYPERTENSIVE AGENTS) (GUANETHIDINE)
(HYDRALAZINE) (RESERPINE) (HYDROCHLOROTHIAZIDE)
(BENZOTHIADIAZINES)

MIRONOV, P.; APOSTOLOV, L.; BATALOV, Zg.

Treatment of myocardial infarction with cortisone. Folia med.
(Plovdiv) 6 no.1:53-57 '64

1. Higher Medical Institute "I.P Pavlov", Plovdiv, Bulgaria,
Chair of Internal Diseases with Therapeutics (Chief: Prof.
P. Mironov).

MIRONOV, P.I., inzh.

Producing new machinery and improving the building equipment
at the building site of the Kuybyshev Hydroelectric Power Station.
Energo. stroi. no. 5:202-211 '58. (MIRA 12:5)

1. Nachal'nik otdeleniya novoy tekhniki Kuybyshevgidrostroya.
(Volga Hydroelectric Power Station--Building machinery)

ALEKSEYEV, G.P.; ANDON'YEV, V.S.; ARNGOL', A.V.; BASKIN, S.M.;
 BASHMAKOV, N.A.; BEREZIN, V.D.; BERMAN, V.A.; PIYANOV, T.F.;
 GORBACHEV, V.N.; GRECHKO, I.A.; GRINBUKH, G.S.; GUMOV, M.F.;
 GUSEV, A.I.; DEMENT'YEV, N.S.; DMITRIYEV, V.P.; DUL'KIN, V.Ya.;
 ZVANSKIY, M.I.; ZENKEVICH, D.K.; IVANOV, B.V.; INYAKIN, A.Ya.;
 ISAYENKO, P.I.; KIPRIYANOV, I.A.; KITASHOV, I.S.; KOZHEVNIKOV,
 N.N.; KORMYAGIN, B.V.; KROKHIN, S.A.; KUDOYAROV, I.I.;
 KUDRYAVTSEV, G.N.; LARIN, S.G.; LEBEDEV, V.P.; LEVCHENKOV,
 P.N.; LEMZIKOV, A.K.; LIPGART, B.K.; LOPAREV, A.T.; MALYGIN,
 G.F.; MILOVIDOVA, S.A.; MIRONOV, P.I.; MIKHAYLOV, B.V., kand.
 tekhn. nauk; MUSTAFIN, Kh.Sh., kand. tekhn. nauk; NAZIMOV, A.D.;
 NEFEDOV, D.Ye.; NIKIFOROV, I.V.; NIKULIN, I.A.; OKROCHKOV, V.P.;
 PAVLENKO, I.M.; PODROBINNIK, G.M.; POLYAKOV, G.Ya.; PUTILIN, V.S.;
 RUDNIK, A.G.; RUMYANTSEV, Yu.S.; SAZONOV, N.N.; SAZONOV, N.F.;
 SAULIDI, I.P.; SDOBNIKOV, D.V.; SEMENOV, N.A.; SKRIPCHINSKIY, I.I.;
 SOKOLOV, N.F.; STEPANOV, P.P.; TARAKANOV, V.S.; TREGUBOV, A.I.;
 TRIGER, N.L.; TROITSKIY, A.D.; FOKIN, F.F.; TSAREV, B.F.; TSETSULIN,
 N.A.; CHUBOV, V.Ye., kand. tekhn. nauk; ENGEL', F.F.; YUROVSKIY,
 Ya.G.; YAKUBOVSKIY, B.Ya., prof.; YASTREBOV, M.P.; KAMZIN, I.V., prof.,
 glav. red.; MALYSHEV, N.A., zam. glav. red.; MEL'NIKOV, A.M., zam.
 glav. red.; RAZIN, N.V., zam. glav. red. i red. toma; VARPAKHOVICH,
 A.F., red.; PETROV, G.D., red.; SARKISOV, M.A., prof., red.;
 SARUKHANOV, G.L., red.; SEVAST'YANOV, V.I., red.; SMIRNOV, K.I.,
 red.; GOTMAN, T.P., red.; BUL'DYAYEV, N.A., tekhn. red.

(Continued on next card)

ALEKSEYEV, G.P.---(continued). Card 2.

[Volga Hydroelectric Power Station; a technical report on the design and construction of the Volga Hydroelectric Power Station (Lenin), 1950-1958] Volzhskaya gidroelektrostantsiya; tekhnicheskii otchet o proektirovanii i stroitel'stve Volzhskoi GES imeni V.I.Lenina, 1950-1958 gg. V dvukh tomakh. Moskva, Gosenergoizdat. Vol.2.[Organization and execution of construction and assembly work] Organizatsiya i proizvodstvo stroitel'no-montazhnykh rabot. Red. toma: M.V.Razin, A.V.Arnol'd, N.L.Triger. 1962. 591 p. (MIRA 16:2)

1. Derzhavitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Razin).

(Volga Hydroelectric Power Station (Lenin)--Design and construction)

Mironov, P.M.

PA 23T85

USSR/Metals
Iron
Rolling Mills

Apr 1947

"Use of Better Contoured Pig Iron at 'Hammer and Sickle' Factory," P. M. Mironov, 1 p

"Promyshlennaya Energetika" Vol IV, No 4

Lists the measurements of the new type pig, weight 760 kg, D upper 315 mm, D lower 265 mm, N 1 170 mm, angle of taper -2.13 percent. This new pig iron made it necessary to change the rolling mills from "700" to "750". Use of this new type of pig made it possible for the factory to save up to 370,000 kilowatt-hours per year.

23T85

MIRONOV, P.M.

At metallurgical plants in Czechoslovakia. Bezop. truda v prom.
2 no.12:34-35 D '58. (MIRA 11:12)

1.Glavnyy tekhnicheskiy inspektor Tsentral'nogo komiteta profsoyuza
rabochikh metallurgicheskoy promyshlennosti.
(Czechoslovakia--Metallurgical plants)

MIROMOV, P.M., inzh.

Conference of leaders of metallurgical research and planning
institutes. Bezop.truda v prom. 4 no.9:38-39 S '60.

(Metallurgy--Technological innovations) (MIRA 13:9)

MIRONOV, P.M.

Industrial safety in the blast furnace industry. Metallurg
6 no.8:8-9 Ag '61. (MIRA 14:8)

1. Glavnyy tekhnicheskiy inspektor TSentral'nogo komiteta
profsoyuza rabochikh metallurgicheskoy promyshlennosti.
(Blast furnaces--Safety measures)

MIRONOV, P.M.

Urgent objectives for the prevention of accidents in metallurgical plants.
Bezop.truda v prom. 6 no.8:18-19 Ag '62. (M.I.A 10:4)

1. Nachal'nik metallurgicheskogo otdela Gosudarstvennogo komiteta pri
Sovete Ministrov RSFSR po nadzoru za bezopasnykh vedeniyem rabot v
promyshlennosti i gornomu nadzoru.

(Metallurgical plants—Safety measures)

TARABAN, Saveliy Gavrilovich; MINSKY, I.I., red.

[Labor safety during the servicing of gas installations
Okhrana truda pri obsluzhivanii gazovykh ustanovok. Moskva, Metallurgizdat, 1963. 95 p. (MIRA 17:1)

BERG, Iosif Abramovich; MIRONOV, P.M., red.; BRUSHTEYN, A.I., red.
izd-va; GINZBURG, R.Ya., tekhn. red.

[Safety measures and industrial sanitation in ferrous metal-
lurgy] Tekhnika bezopasnosti i promyshlennaia sanitariia v
chernoi metallurgii. Moskva, Metallurgizdat, 1963. 295 p.
(MIRA 17:2)

MIRONOV, P.H.; KOROLENKO, A.A., dotsent, savednyushchiy; KHARKEVICH, Yu.A., glavnyy
vrach.

Treatment of balantidiasis. Terap.arkh. 25 no.3:43-48 My-Je '53.
(MLA 6:9)

1. Terapevticheskoye otdeleniye Tomskoy gorodskoy klinicheskoy bol'nitsy.
(Balantidiasis)

3.9300
9.9865

AUTHORS:

Mikulinskiy, M. A. Engineer, Mironov, P. A. Engineer

TITLE:

Determination of the Stress Tensor in an Elastic Medium
Data of Experimental Seismic Studies

PERIODICAL:

Izvestiya vysshikh goskholovskikh uchebnykh zavedeniy
1960 No. 11, pp. 11-12

TEXT: A method is given for calculating the stress tensor from data of seismic observations. To use the conditions of the Mohr circle, the components of the stress tensor and the total stress tensor must be known. Formulas are derived for an infinite homogeneous isotropic medium. The Lamé constants λ and μ are determined from the formulas: Ref. 1
$$\mu = \frac{\rho c_t^2}{2} \quad \lambda = \frac{\rho}{2} (c_l^2 - 2c_t^2)$$
 where c_l and c_t denote the velocities of the longitudinal and transverse waves, respectively, in the rock investigated, and ρ - the density of the matrix.
Card 1/3

Determination of the Stress Tensor in an
Explosion From Data of Experimental
Seismic Studies

86-11
S. I. ...
M. I. ...

$$\begin{vmatrix} \frac{\partial A_x}{\partial x} & \frac{\partial A_y}{\partial x} & \frac{\partial A_z}{\partial x} \\ \frac{\partial A_x}{\partial y} & \frac{\partial A_y}{\partial y} & \frac{\partial A_z}{\partial y} \\ \frac{\partial A_x}{\partial z} & \frac{\partial A_y}{\partial z} & \frac{\partial A_z}{\partial z} \end{vmatrix}$$

$\frac{\partial A_1}{\partial x_j}$

$$= \left(\frac{A_1}{r} - \frac{v_1}{r} - \frac{x_2}{r} \right)$$

ment vector $\vec{A}$ being known from ...
3 v is the oscillation velocity ...
tensor ϵ_{ij} and the vector $\vec{A}$...

Card 2/3

Determination of the Effect of
Explosion From Data of Seismological
Seismic Studies

$$\frac{\partial A_i}{\partial x_j}$$

Since A , ρ , and ϵ_{ij} are all functions of x , the

can be determined. At large distances, the values of A and ρ can be determined from simpler formulas. When the stress state is known, the stability of the respective strata can be determined on the basis of Mohr's stability condition. The values of ϵ_{ij} recommended by the Kafeira group are used in the calculations (Department of Mining Machinery and Materials, 1964). There are 1 figure and 1 reference in the text.

ASSOCIATION: Institut pour l'etude de la structure de la croûte terrestre

SUBMITTED: 1964, 1965

Card 3/3

TURUTA, N.U., kand.tekhn.nauk; MIMONOV, P.S., inzh.

Methods of instrument determination of stresses in rock massifs
in pit sides during large-scale blasts of borehole charges. Nauch.
zap.Ukrniiproekta no.5:48-55 '61. (MIHA 15 7
(Blasting) (Strains and stresses)

MIRONOV, P.S., gornyy inzh.

Effect of blasting on the stability of pit edges. Izv. Selsk.
no.47/4:239-256 '61. (MIRA 1961)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut
mednoy promyshlennosti.

(Blasting) (Landslides)

MIRONOV, P.S., inzh.; KUZNETSOV, G.V., inzh.

Calibration methodology and vibrograph apparatus for recording
blasting shocks. Izv. vys. ucheb. zav ; gor. zhur 5 no. 1:
98-103 '62. (MIRA 15:4)

1. Ural'skiy nauchno-issledovatel'skiy proyektnyy institut
mednoy promyshlennosti. Rekomendovana Ural'skim nauchno-
issledovatel'skim i proyektnym institutom mednoy promyshlennosti
(Blast effect)

KUZNETSOV, G.V., inzh.; MIKULINSKIY, M.A., inzh.; MIRONOV, P.S., inzh.;
SISIN, A.G., inzh.

Using the tensiometric method to determine deformations in a massif
in blasting. Izv.vys.ucheb.zav.; gor.zhur. 5 no.9:57-60 '62.
(MIRA 15:11)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut
mednoy promyshlennosti. Rekomendovana kafedroy otkrytykh rabot
Sverdlovskogo gornogo instituta.
(Blasting) (Tensiometers)

MIKULINSKIY, M.A., gornyy inzh.; SISIN, A.G., gornyy inzh.; KUZNETSOV, G.V.,
gornyy inzh.; MIRONOV, P.S., gornyy inzh.

Estimating the action of blasting operations on the stability of
pit sides. Gor. zhur. no.3:40-43 Mr 63. (MIRA 16:4)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy
promyshlennosti, Sverdlovsk.

KUZNETSOV, G.V., gornyy inzh.; SIBIN, A.G., gornyy inzh.; IRONOV, I.S.,
gornyy inzh.

Seismic effect of blasting in large-scale breaking of ore in the
Vyseka Mountain iron mine. Ger. zhur. no.8:19-24 Ag '63.

(MIRA 16:9)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mekhanoy
promyshlennosti, Sverdlovsk.

(Sverdlovsk Province—Blasting)

ACC NR: AR6035078 SOURCE CODE: UR/0169/66/000/008/G015/G015

AUTHOR: Mironov, P. S.; Sisin, A. G.; Kuznetsov, G. V.

TITLE: Seismic effect of manmade explosions in quarries

SOURCE: Ref. zh. Geofizika, Abs. 8G103

REF SOURCE: Tr. V Sessii Uch. soveta po narodnokhoz. ispol'z. vzryva.
Frunze, Ilim, 1965, 318-328

TOPIC TAGS: seismologic instrument, oscillograph, vibration measurement,
tensometer, wave propagation/VBP vibrograph, BEGIK vibrograph

ABSTRACT: Results are presented of experimental and analytic investigations to determine the relationship of seismoeruptive wave parameters during blasting in quarries and in mines. VBP and BEGIK vibrographs, dynamic tensometers with an 800-mm base, displacement tensometric counters, and magnetoelectric oscillographs were used. Depending on the effect of the explosion on the rock mass, three zones are defined: the proximate zone (from 50 m to the area), the intermediate zone (50—500 m from the blasting area), and the distant zone (over 500 m from the

Card 1/2

UDC: 550.342

ACC NR: AR6035078

blasting point). Oscillograms of earth displacement velocities showed that destruction begins about 50 m sec after the explosion. In the destruction zone, particles of earth move in one direction until the moment of destruction. Beyond the destruction zone, a vibration process is observed and the waves separate as the distance increases. In each zone, the relationships of the earth displacement velocities are determined when explosions are instantaneous. Various factors influencing the magnitude of the tremors during explosions are established (wave propagation conditions, size of the charge, direction of the detonation). [Translation of abstract] [GC]

SUB CODE: 08, 17/

Card 2/2

MIRONOV, P.S.

A case of simultaneous cancer of the liver and of the esophagus.
Vest.khir. 76 no.7:128-130 Ag '55. (MLBA 8:10)

1. Zasluzhennyy vrach Yakutskoy ASSR. Iz Yakutskogo respubli-
kanskogo onkologicheskogo dispansera (gl.vrach-P.S.Mironov)

(LIVER, neoplasms

with cancer of esophagus, clin.aspects & histol)

(ESOPHAGUS, neoplasms

with cancer of liver, clin.aspects & histol)

MIRONOV, P.S.

Confinement of the liver dome in diaphragmal hernia. Khirurgia
no.5:74 My '56. (MLRA 9:9)

1. Zaslushennyi vrach Yakutskoy ASSR. 2. Iz Yakutskoy respublikan-
skoy bol'nitsy.
(DIAPHRAGM--HERNIA) (LIVER)

Mironov, I.S.

MIRONOV, P.S. - sasluzhennyy vrach Yakutskoy ASSR (Yakutsk, ul. Petra
Alekseyeva, d.8)

Repeated liver resection due to alveolar echinococcus. Vest.khir.
78 no.6:129-130 Je '57. (MLRA 10:8)

1. Iz khirurgicheskogo otdeleniya (zav. - L.A.Yugay) Yakutskoy
respublikanskoy bol'nitsy (i.o.gl.vracha - G.F.Rebatovich)
(LIVER--SURGERY)

MIROMOV, P. S., Cand Med Sci — (Diss) "Cancer of esophagus in Yakutia.
(Clinico-regional study.)" Mos, 1950. 13 pp (Min of Health USSR,
Central Inst for Advanced Training of Physicians,, 200 copies (VL,
17-58, 112)

- 67 -